- 90. The dual-sided, biocompatible, textured structure of claim 5 wherein the complex surface is arranged to stimulate high tissue ingrowth.
- 91. The dual-sided, biocompatible, textured structure of claim 5 wherein the complex surface is arranged to disorganize scar tissue.
- 92. The dual-sided, biocompatible, textured structure of claim 13 wherein the complex surface is arranged to stimulate high tissue ingrowth.
- 93. The dual-sided, biocompatible, textured structure of claim 13 wherein the complex surface is arranged to disorganize scar tissue.

## **REMARKS/ARGUMENTS**

In response to the Restriction Requirement dated July 3, 2001, in the above-identified application, Applicant hereby wishes to elect the subject matter of Group I (claims 1-8, 13 and 14) for continued prosecution in the present application. This election is being made without traverse and without prejudice to continue prosecution of those claims. The Examiner has correctly noted in his Office Action that the structures disclosed and claimed herein have utility apart from serving as a covering for an implant. The Examiner had noted the utility of such a structure for use as a hernial repair patch.

Applicants have added new claims 15-93 to more fully cover Applicant's invention. These claims are presented without the addition of new matter. While Applicant has elected Group I, directed to coverings or structures apart from their use in combination with a device (e.g., prosthetic device), Applicant has presented dependent claims 37-42, 57, 73 and 86 which include devices beyond the texturized structure of the independent claims. It is believed that presenting such dependent claims is not inconsistent with the restriction requirement. However, if the Examiner

Patent 263/103

believes that these claims should not be presented in this case, Applicant would request that the undersigned be contacted such that the claims may be removed from this case.

Applicant would request that the undersigned be contacted by telephone if any matter remains regarding the allowability of these claims.

Attached hereto is a marked-up version of the changes made to the claims by the current amendment. The attached page is captioned "Version with markings to show changes made."

Prompt and favorable action on the merits of the claims is earnestly solicited. If any minor issues remain, please contact Applicants' undersigned representative at 949-567-2300.

Respectfully submitted,

LYON & LYON LLP

Dated: August 16, 2001

By:

David Murphy / Reg. No. 31,125

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## "Version with markings to show changes made"

## In the title:

The title has been amended to read: <u>Dual-Sided</u>, <u>Texturized Biocompatible Structure</u>.

## In the claims:

Claims 9-12 have been cancelled.

The claims have been amended as follows:

Claim 2 (Amended) The covering of claim 1 further comprising ePTFE PTFEe material.

Claim 5 (Amended) An implantable device covering comprising:

a sheet of flexible material having first and second surfaces,

the first surface being flat,

the second surface having peaks and troughs and being adapted to interface with body tissues.

Claim 6 (Amended) The covering of claim 5 further comprising ePTFE PTFEe material.

Claim 13 (Amended) An implantable device covering comprising:

a sheet of flexible material having first and second surfaces,

the first surface being nonless-textured than the second surface,

the second surface <u>being textured and</u> having first and second planar surfaces, the first and second planar surfaces being in non-<u>co</u>planar relation. The following new claims have been added:

<u>16.</u>

15. A dual-sided, biocompatible, textured structure for use in a body comprising:

a structure, the structure having a first side and a second side,

characterized in that:

the first side is substantially planar, and that

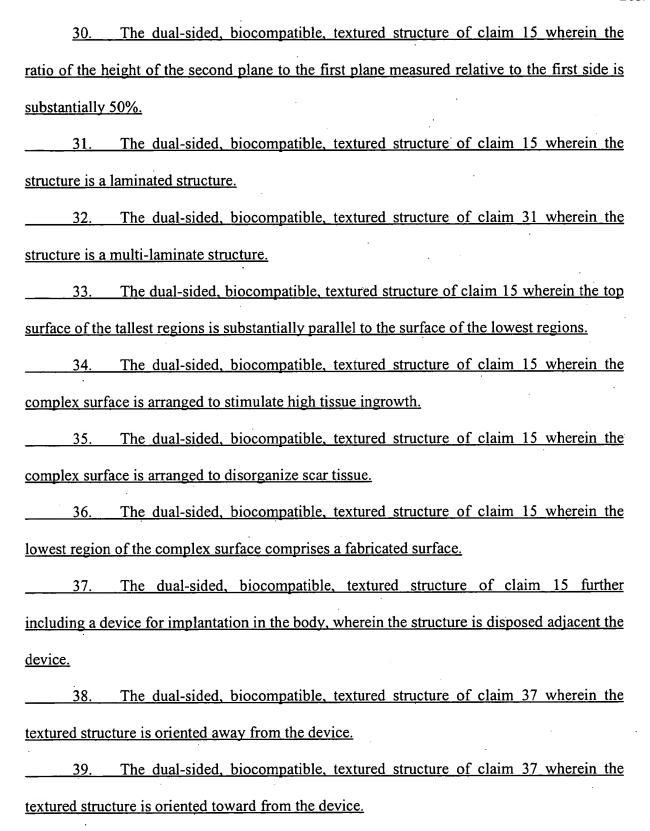
the second side has a complex surface, the complex surface having a plurality of regions of varying heights, the tallest regions having a substantially planar upper surface, the planar surface defining a first plane, and the lowest regions defining a second plane, where the second plane is non-coplanar with the first plane,

The dual-sided, biocompatible, textured structure of claim 15 wherein the

wherein the complex surface is adapted for contact with the body.

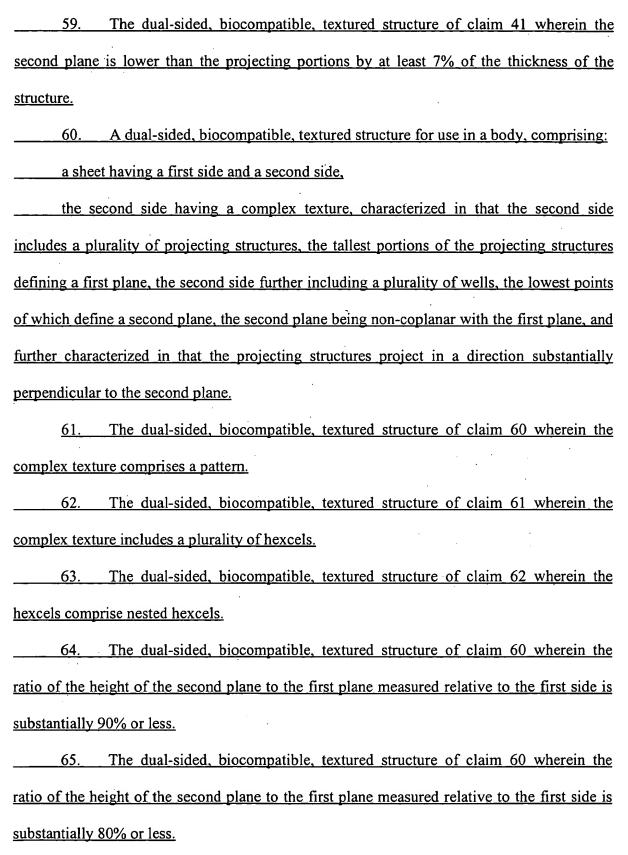
comple	x surfa	ce cor	mprises a pa	ttern.	•			•			
	17.	The	dual-sided,	biocompatible,	textured	structure	of	claim	16	wherein	the
pattern	is pred	ictable	<u>e.</u>		. ,			•			
,	18.	The	dual-sided,	biocompatible,	textured	structure	of	claim	17	wherein	the
pattern	<u>is repe</u>	titive.									
	19.	The	dual-sided,	biocompatible,	textured	structure	of	claim	17	wherein	the
pattern	is unif	orm.					•				
	20	The	dual-sided,	biocompatible,	textured	structure	of	claim	16	wherein	the
comple	v curfa	ce inc	eludes a niur	ality of heycels				•			

	21.	The dual-sided, biocompatible, textured structure of claim 20 wherein the
hexc	els comp	prise nested hexcels.
	22.	The dual-sided, biocompatible, textured structure of claim 16 wherein the
patte	ms inclu	de geometric patterns.
	23.	The dual-sided, biocompatible, textured structure of claim 22 wherein the
geon	etric pat	tern includes squares.
	24.	The dual-sided, biocompatible, textured structure of claim 22 wherein the
geom	etric pat	tern includes circular patterns.
	25.	The dual-sided, biocompatible, textured structure of claim 15 wherein the
<u>latera</u>	ıl widths	of the tallest regions and the lowest regions differ.
	26.	The dual-sided, biocompatible, textured structure of claim 25 wherein the
latera	ıl width	of the tallest regions is less than the width of the lowest regions.
	27.	The dual-sided, biocompatible, textured structure of claim 15 wherein the
ratio	of the h	eight of the second plane to the first plane measured relative to the first side is
<u>subst</u>	antially !	90% or less.
	28.	The dual-sided, biocompatible, textured structure of claim 15 wherein the
ratio	of the h	eight of the second plane to the first plane measured relative to the first side is
<u>subst</u>	antially 8	80% or less.
	29.	The dual-sided, biocompatible, textured structure of claim 15 wherein the
<u>ratio</u>	of the h	eight of the second plane to the first plane measured relative to the first side is
subst	antially '	70% or less.



40. The	dual-sided, biocompatible,	textured structure	of claim 37	wherein the
device is a prosthe	tic device.			
41. The	dual-sided, biocompatible,	textured structure	of claim 40	wherein the
prosthetic device is	s an implant.	·		
42. The	dual-sided, biocompatible,	textured structure	of claim 41	wherein the
implant is a gel fill	ed implant.			
43. The	dual-sided, biocompatible,	textured structure	of claim 15	wherein the
pattern includes a p	olurality of parallel wells.			٠
44. The	dual-sided, biocompatible,	textured structure	of claim 41	wherein the
second plane is lov	ver than the first plane by at l	least 7% of the thick	tness of the str	ucture.
45. The	dual-sided, biocompatible,	textured structure	of claim 41	wherein the
second plane is lov	ver than the first plane by at ]	least 17% of the thic	kness of the s	tructure.
46. The	dual-sided, biocompatible,	textured structure	of claim 41	wherein the
second plane is lov	ver than the first plane by at	least 27% of the thic	kness of the s	tructure.
47. The	dual-sided, biocompatible,	textured structure	of claim 41	wherein the
second plane is lo	ower than the first plane b	y substantially 50%	6 of the thick	eness of the
structure.			*	
48. A d	ual-sided, biocompatible, tex	tured structure for u	ise in a body, o	comprising:
a first side,	defining a first plane.			
a second s	ide, the second side having	a complex texture.	characterized	I in that the
second side includ	es a plurality of wells, the l	owest points of whi	ich define a se	econd plane,
the second plane b	eing non-coplanar with the	first plane, and furt	her includes a	plurality of
structures which n	roiect in a direction substanti	ally perpendicular to	o the second n	lane.

<u>4</u>	9	The dual-sided, biocompatible, textured structure of claim 48 wherein the
complex	textu	re comprises a pattern.
5	0	The dual-sided, biocompatible, textured structure of claim 49 wherein the
<u>complex</u>	textu	re includes a plurality of hexcels.
5	1	The dual-sided, biocompatible, textured structure of claim 50 wherein the
hexcels o	compr	ise nested hexcels.
. 5	2	The dual-sided, biocompatible, textured structure of claim 48 wherein the
<u>structure</u>	is a l	aminated structure.
5	3.	The dual-sided, biocompatible, textured structure of claim 52 wherein the
structure	is a r	nulti-laminate structure.
5	4	The dual-sided, biocompatible, textured structure of claim 48 wherein the
complex	textu	re is arranged to stimulate high tissue ingrowth.
5	5.	The dual-sided, biocompatible, textured structure of claim 48 wherein the
complex	textu	re is arranged to disorganize scar tissue.
5	6.	The dual-sided, biocompatible, textured structure of claim 48 wherein the
lowest re	gion	of the complex texture comprises a fabricated surface.
5	7.	The dual-sided, biocompatible, textured structure of claim 48 further
including	g a de	vice for implantation in the body, wherein the structure is disposed adjacent the
device.		
<u>5</u>	8	The dual-sided, biocompatible, textured structure of claim 48 wherein the
texture p	attern	includes a plurality of parallel wells.



	2
66.	The dual-sided, biocompatible, textured structure of claim 60 wherein the
ratio of the hei	ght of the second plane to the first plane measured relative to the first side is
substantially 70	0% or less.
<u>67.</u>	The dual-sided, biocompatible, textured structure of claim 60 wherein the
ratio of the hei	ght of the second plane to the first plane measured relative to the first side is
substantially 50	<u>)%.</u>
68.	The dual-sided, biocompatible, textured structure of claim 60 wherein the
structure is a la	minated structure.
69.	The dual-sided, biocompatible, textured structure of claim 68 wherein the
structure is a m	ulti-laminate structure.
70.	The dual-sided, biocompatible, textured structure of claim 60 wherein the
complex surfac	e is arranged to stimulate high tissue ingrowth.
71.	The dual-sided, biocompatible, textured structure of claim 60 wherein the
complex surfac	e is arranged to disorganize scar tissue.
72.	The dual-sided, biocompatible, textured structure of claim 60 wherein the
lowest region o	f the complex surface comprises a fabricated surface.
73.	The dual-sided, biocompatible, textured structure of claim 60 further
including a dev	ice for implantation in the body, wherein the structure is disposed adjacent the
device.	
<u>74.</u>	The dual-sided, biocompatible, textured structure of claim 60 wherein the
pattern includes	s a plurality of parallel wells.
75.	The dual-sided, biocompatible, textured structure of claim 60 wherein the
second nlane is	lower than the first plane by at least 7% of the thickness of the structure

76. A dual-sided, biocompatible, textured structure for use in a body, comprising:
a first sheet having a first side and a second side.
the first side being substantially planar,
a second sheet having a first side and a second side.
the second side of the first sheet being in laminate relationship with the first side of
the second sheet, and
the second side of the second sheet having a complex surface including a plurality of
fabricated wells.
77. The dual-sided, biocompatible, textured structure of claim 76 wherein the
complex surface comprises a pattern.
78. The dual-sided, biocompatible, textured structure of claim 77 wherein the
complex surface includes a plurality of hexcels.
79. The dual-sided, biocompatible, textured structure of claim 78 wherein the
hexcels comprise nested hexcels.
80. The dual-sided, biocompatible, textured structure of claim 76 wherein the
complex surface includes a plurality of projecting portions.
81. The dual-sided, biocompatible, textured structure of claim 80 wherein the
projecting portions include a planar portion.
82. The dual-sided, biocompatible, textured structure of claim 81 wherein the
planar portions are substantially parallel to the first side of the first sheet.
83. The dual-sided, biocompatible, textured structure of claim 76 wherein the
complex surface is amonged to stimulate high tissue ingressyth

